

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A shaping process for producing a molding
comprising: moldings with at least one surface which has self-cleaning properties and has
elevations formed by microparticles, by thermal

accreting primary particles to form microparticles,

wherein said microparticles have hydrophobic properties and said

microparticles comprise agglomerates or aggregates of from 0.2 to 100 μm ,

applying the microparticles to the inner surfaces of a mold,

molding a molding composition,

wherein the molding composition comprises at least one material comprising

organic compounds and said molding composition is in softened or molten

form, and

thermally shaping the molding composition in the mold, and

solidifying the molding composition to obtain the molding,

~~shaping of materials comprising organic compounds, which are used as molding composition, by means of a mold, characterized in that, prior to the thermal shaping, microparticles which have hydrophobic properties and have been accreted from primary particles to give agglomerates or aggregates whose size is from 0.2 to 100 μm are applied to the inner surfaces of the mold, and then the molding composition to be processed, which is in softened or molten form, is molded by means of this mold, where~~

wherein not more than 90% of the diameter of at least 50% of the microparticles are
impressed only to an extent of not more than 90% of their diameter into the surface of the
molding which has not yet solidified, surface, which has not yet solidified, of the molding,

and

said microparticles are firmly held by the molding to anchor said microparticles into the molding after the molding is solidified, composition when it solidifies, and
said molding has elevations formed by the microparticles and
said molding has at least one surface having self-cleaning properties. ~~are thus anchored.~~

Claim 2 (Currently Amended): The process as claimed in claim 1, wherein
~~characterized in that the thermal shaping process has been~~
said thermally shaping is at least one process selected from the group consisting of
blow molding, extrusion blow molding, extrusion stretch blow molding, injection blow
molding, injection stretch blow molding, thermoforming, vacuum stretch forming, pressure
stretch forming, and rotary thermoforming.

Claim 3 (Currently Amended): The process as claimed in claim 1, wherein said
applying the microparticles is claim 1 or 2,~~characterized in that the microparticles are applied~~
~~to the mold by~~
spraying the microparticles to the inner surfaces of the mold.

Claim 4 (Currently Amended): The process as claimed in claim 3, wherein said
applying the microparticles is ~~characterized in that the microparticles are applied to the~~
~~molding tool by applying, to the mold, a suspension~~
applying a suspension, which comprises microparticles and comprises a at least one
solvent, into the inner surfaces of the mold and then
evaporating the solvent.

Claim 5 (Currently Amended): The process as claimed in claim 3, wherein said applying the microparticles is characterized in that the microparticles are applied to the mold by

applying an ~~aerosol~~ aerosol, which comprises microparticles and ~~comprises a~~ at least one propellant gas, to the inner surfaces of the mold. ~~gas.~~

Claim 6 (Currently Amended): The process as claimed in claim 1, wherein at least one of claims 1 to 5, characterized in that

the microparticles ~~used have been~~ are selected from the group consisting of particles of silicates, ~~of~~ minerals, ~~of~~ metal oxides, ~~of~~ metal powders, ~~of~~ silicas, ~~of~~ pigments, ~~and of~~ polymers and mixtures thereof.

Claim 7 (Currently Amended): The process as claimed in claim 1, wherein at least one of claims 1 to 6, characterized in that

the microparticles ~~used~~ are hydrophobicized fumed silicas.

Claim 8 (Currently Amended): The process as claimed in claim 1, wherein at least one of claims 1 to 7, characterized in that the material used as organic compounds

said at least one material comprising organic compounds comprises at least one material selected from the group consisting of a natural rubber, ~~rubber~~ ~~or~~ a synthetic rubber, ~~or~~ a vulcanized rubber, ~~or, as a mixture or individually, and as homopolymer or copolymer,~~ polynorbornene, ~~or~~ poly-4-methyl-1-pentene, ~~or~~ polyisobutene, ~~or~~ acrylonitrile-butadiene-styrene terpolymers, ~~or~~ polyvinylidene fluoride, ~~or~~ polyalkylene terephthalates, ~~or~~ polyacrylonitrile, ~~or~~ polyether sulfones, ~~or~~ polyesters, ~~or~~ polystyrenes, ~~or~~ cyclic polyalkenes, ~~or~~ aliphatic linear or branched polyalkenes, ~~or~~ polypropylenes, ~~or~~ polyethylenes, ~~or~~ polyvinyl

chloride, ~~or~~ polyamides, ~~or~~ polymethacrylates, ~~or~~ polyacrylates, ~~or~~ polycarbonates, a copolymer comprising at least one repeat unit selected from the group consisting of polynorbornene, poly-4-methyl-1-pentene, polyisobutene, acrylonitrile-butadiene-styrene terpolymers, polyvinylidene fluoride, polyalkylene terephthalates, polyacrylonitrile, polyether sulfones, polyesters, polystyrenes, cyclic polyalkenes, aliphatic linear or branched polyalkenes, polypropylenes, polyethylenes, polyvinyl chloride, polyamides, polymethacrylates, polyacrylates and polycarbonates,
and mixtures thereof. in a polymer or polymer blend.

Claim 9 (Currently Amended): The process as claimed in claim 1, wherein at least one of claims 1 to 8, characterized in that

the microparticles are pressed into ~~and anchored into~~ the surface of the molding which has not yet solidified, where this surface has not yet solidified and where this
and the surface of the molding which has not yet solidified is the surface of the molding composition in the molten form. a melt of a material to be molded.

Claim 10 (Currently Amended): The process as claimed in claim 1, wherein at least one of claims 1 to 8, characterized in that

the microparticles are pressed into ~~and anchored into~~ the surface of the molding which has not yet solidified, where this surface has not yet solidified and where this
and the surface of the molding which has not yet solidified is the ~~softened~~ surface of the molding composition in the softened form. a material to be molded.

Claim 11 (Currently Amended): A molding ~~with at least one surface which has self-cleaning properties and has surface structures with elevations,~~ produced by a process as

claimed in claim 1, wherein said molding has at least one surface having self-cleaning properties and surface structures with elevations. ~~any of claims 1 to 10.~~

Claim 12 (Currently Amended): The molding as claimed in claim 11, wherein ~~characterized in that~~

the elevations have an average height of from 20 nm to 25 μm and an average separation of from 20 nm to 25 μm .

Claim 13 (Currently Amended): The molding as claimed in claim 12, ~~characterized in that~~

the elevations have an average height of from 50 nm to 4 μm and/or an average separation of from 50 nm to 4 μm .

Claim 14 (Currently Amended): The molding as claimed in claim 11, wherein ~~any of claims 11 to 13, characterized in that~~

the molding comprises microparticles and the microparticles ~~have been~~ are selected from the group consisting particles of silicates, of minerals, of metal oxides, of metal powders, of silicas, of pigments, ~~and of polymers~~ and mixtures thereof.

Claim 15 (Currently Amended): The molding as claimed in claim 11, wherein ~~any of claims 11 to 14, characterized in that~~

the molding comprises impressed particles and the impressed particles ~~have been~~ are anchored with from 10 to 90% of their average particle diameter within the surface of the molding.

Claim 16 (Currently Amended): The molding as claimed in claim 11, wherein ~~at least one of claims 11 to 15, characterized in that~~

the molding is a three-dimensional article selected from the group consisting of vessels, lampshades, buckets, bottles, tires, automotive tires, storage vessels, drums, dishes, measuring beakers, funnels, tanks, splash guard components, discharge aids, and housing parts.